Technical/Hydrologic Report Required Items
(in addition to the requirements of BWA-001 A)

GROUND WATER – (also see Table 4 on page 17 of GSR 29)

1. Proposed diversion – annual, max month, instantaneous rate, and pumping schedule.
2. Site data – nearby: environmentally sensitive areas, wetlands, surface-water, pollution sites, and any unique features.
3. Site Map – showing: site buildings, property lines, diversion sources, test and observation wells including distances between them, wetlands, and surface-water bodies.
4. Hydrologic data – aquifer and confining unit descriptions including: thickness, areal extent, hydrologic parameters; outcrop areas; aquifer flow path; recharge/discharge estimates; and water quality.
5. Nearby pumping – private and public wells, including domestic wells in immediate vicinity, including pumping rates.
6. Test well and observation well information on: casing diameter, type ,and depth; screen length, depth and slot size; pump size, depth, and rating;
7. Description of test including test type, field procedures, external influences, and changes from pretest proposal.
8. Pump test data including complete raw data (ASCII file on disc or CD).
9. Summary table of wells involved in the test including well depths, distances, location relative to pumping well, and drawdowns observed.
10. Test analysis including discussion of appropriateness of analysis method, data plots, and supporting calculations for both aquifer characteristics (T, S, vertical leakage) and radius of influence.
11. Anticipated impacts to the aquifer, other users (adjacent wells), wetlands, stream flow and/or surface water bodies, the spread of pollution, and environmentally sensitive areas.
12. Water for non-potable use is the lowest quality possible.

SURFACE WATER –

1. Proposed diversion – annual, max month, instantaneous rate, and pumping schedule.
2. Site data – nearby: environmentally sensitive areas, wetlands, surface-water, pollution sites, and any unique features.
3. Site Map – showing: site buildings, property lines, diversion sources, intake location, and surface-water bodies.
4. Stream flow data including drainage area to point of diversion and nearest USGS gaging station, stream flow record (proportionalized to diversion location) of: 7 day-10 year low flow, minimum, maximum and average daily flow.
5. Summary table of up and downstream diversions including distance and withdrawal rates (instantaneous, monthly and annual).
6. Summary table of up and downstream discharges including distance and discharge amounts.
7. Water balance (flowchart of withdrawal, use and discharge).
8. Intake and pumping configuration.
9. Requested passing flow and description of how this will be monitored/met.
10. Anticipated impacts to downstream users, wetlands, stream flow and/or surface water bodies, the spread of pollution, and environmentally sensitive areas.
11. Water for non-potable use is the lowest quality possible.

NOTE: Submit 1 copy unless an aquifer test was performed, then 2 copies are required.